PATENT APPLICATION

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Application No. 09/788,603

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (*Currently Amended*) A method for managing dynamic context comprising:

storing associations between at least one activity stream, at least one representation element, the activity stream based on an activity that is beyond a user's perception;

synthesizing a value of a human sensible attribute of at the least one representation element based on changes in the at least one activity stream and the stored associations;

determining the user's focus of attention; and

selecting at least one of the at least one representation elements to synthesize a display attribute-based on the user's focus of attention;

presenting the synthesized human sensible attribute using the selected at least one representation element to the user;

wherein varying representation elements are used in informing the user of the changes in the at least one activity stream depending on the user's focus of attention. the at least one selected representation element is within the user's focus of attention and the activity stream is information including at least one of external sensor information, telephone information, broadcast news information, and pager information.

2. (*Canceled*)

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3. (*Previously Presented*) The method of claim 1, wherein the selected

representation element is at the periphery of the user focus of attention.

4. (*Previously Presented*) The method of claim 1, wherein the activity stream is

information including external sensor information.

5. (*Original*) The method of claim 1, wherein the human-sensible attribute is

synthesized based on a selected range.

6. (*Original*) The method of claim 1, wherein the human-sensible attribute is

synthesized based on values outside a selected range.

7. (*Previously Presented*) The method of claim 1, wherein the at least one activity

stream has a value outside a predicted range of values.

8. (*Original*) The method of claim 7, further comprising determining the predicted

range of values based on monitoring at least one of the at least one activity stream.

9. (*Original*) The method of claim 1, wherein the human-sensible attribute is a

display attribute.

10. (*Original*) The method of claim 9, wherein the display attribute includes at least

one of a text characteristic, a window characteristic, a desktop characteristic.

11. (*Currently Amended*) The system for managing dynamic context, comprising:

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at least one synthesizer circuit, each synthesizer circuit synthesizing at least one human-

sensible attribute of at least one representation element based on changes in at least one activity

stream, the activity stream based on an activity that is beyond a user's perception;

a memory that stores associations between the at least one activity stream, the at least one

representation element and the synthesizer circuit; ~~and~~

a user focus of attention determining circuit that determines the user's focus of attention;

and

a user interface operable to present the synthesized human sensible attribute to the user

using a selected at least one representation element, wherein the selected at least one

representation element is chosen based on the user's focus of attention;

wherein varying representation elements are used to inform the user of the changes in the

at least one activity stream depending on the user's focus of attention. ~~the at least one~~

~~representation element is within the user's focus of attention and the activity stream is~~

~~information including at least one of external sensor information, telephone information,~~

~~broadcast news information, and pager information.~~

12.   (*Canceled*)

13.   (*Previously Presented*) The system of claim 11, wherein the at least one of the at

least one activity stream is an input signal including an external sensor signal.

14.   (*Original*) The system of claim 11, wherein at least one of the at least one

synthesizer circuits synthesizes the human-sensible attributes based on a selected range.

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15. (*Original*) The system of claim 11, wherein at least one of the at least one synthesizer circuits synthesizes the human-sensible attributes based on activity stream values outside a selected range.

16. (*Original*) The system of claim 11, wherein the at least one representation element and the at least one activity stream are dynamically associated based on which of the at least one activity stream has a value outside a predicted range of values.

17. (*Original*) The system of claim 16, wherein the predicted range of values is determined by monitoring at least one of the at least one activity stream.

18. (*Original*) The system of claim 11, wherein the human-sensible attribute is a display attribute.

19. (*Previously Presented*) The system of claim 18, wherein the display attribute includes at least one of a text characteristic, a window characteristic, and a desktop characteristic.

20. (*Previously Presented*) The method of claim 1, wherein determining a user's focus of attention comprises determining a users focus of attention by actively sensing the user's focus of attention.

21. (*Canceled*)

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22.   (*Previously Presented*) The method of claim 1, wherein the activity is at least one of a scheduled event approaching and sensor values changing.

23.   (*Previously Presented*) The system of claim 11, wherein the activity is at least one of a scheduled event approaching and sensor values changing.,

24.   (*New*) The method of claim 1, wherein the activity stream comprises information including at least one of external sensor information, telephone information, broadcast news information, and pager information.

25.   (*New*) The system of claim 11, wherein the activity stream comprises information including at least one of external sensor information, telephone information, broadcast news information, and pager information.

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